

```

graph LR
    2[NEWS INFORMATION DIVISION UNIT] --> 3[USEFUL ARTICLE SELECTION UNIT]
    3 --> 4[NEWS INFORMATION RE-EDITING UNIT]
    subgraph 1 [NEWS INFORMATION PRESENTING DEVICE]
        2
        3
        4
    end
  
```

The diagram illustrates the architecture of the News Information Presenting Device (1). It consists of three main functional units connected in a linear sequence: the News Information Division Unit (2), the Useful Article Selection Unit (3), and the News Information Re-editing Unit (4). Arrows indicate the flow of data or processing from unit 2 to unit 3, and from unit 3 to unit 4. All three units are contained within the overall system boundary of the News Information Presenting Device (1).

FIG. 1

00227-628460

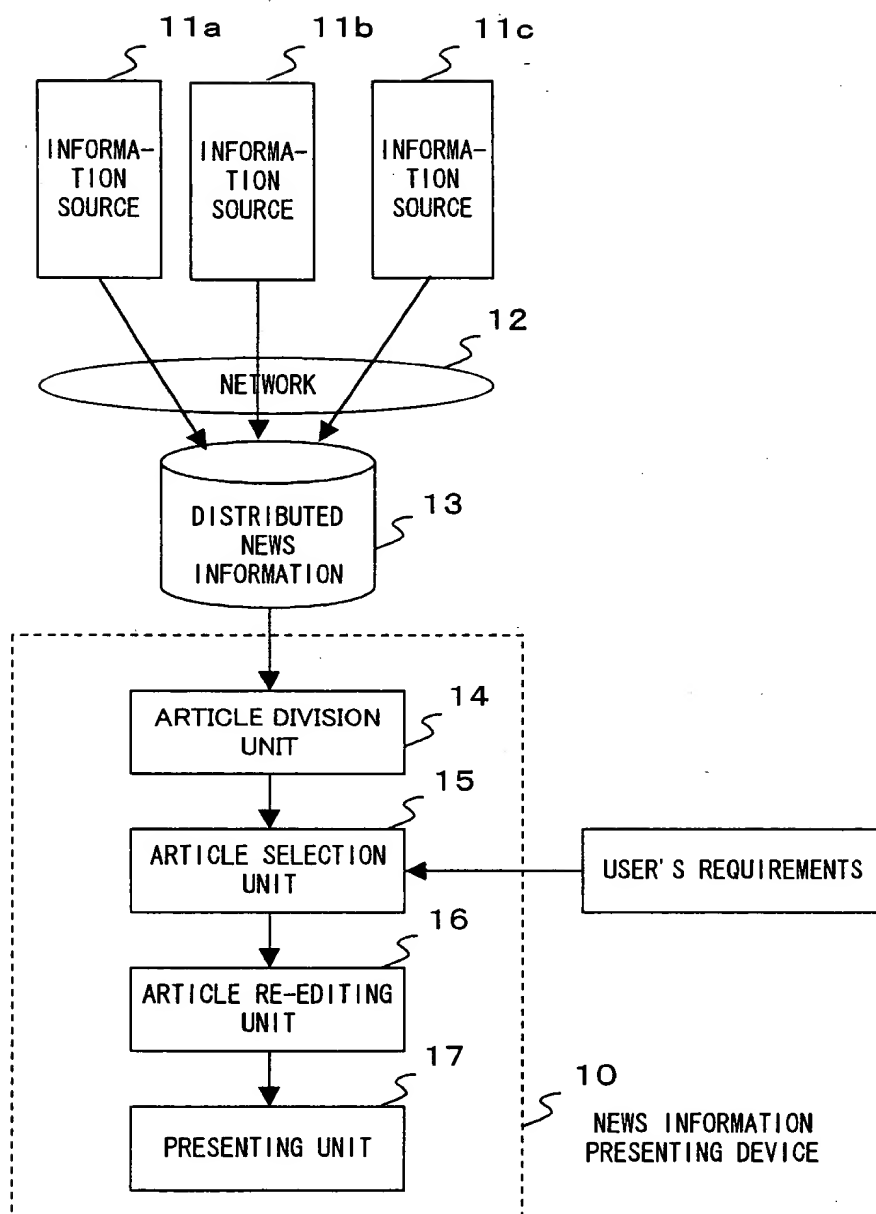
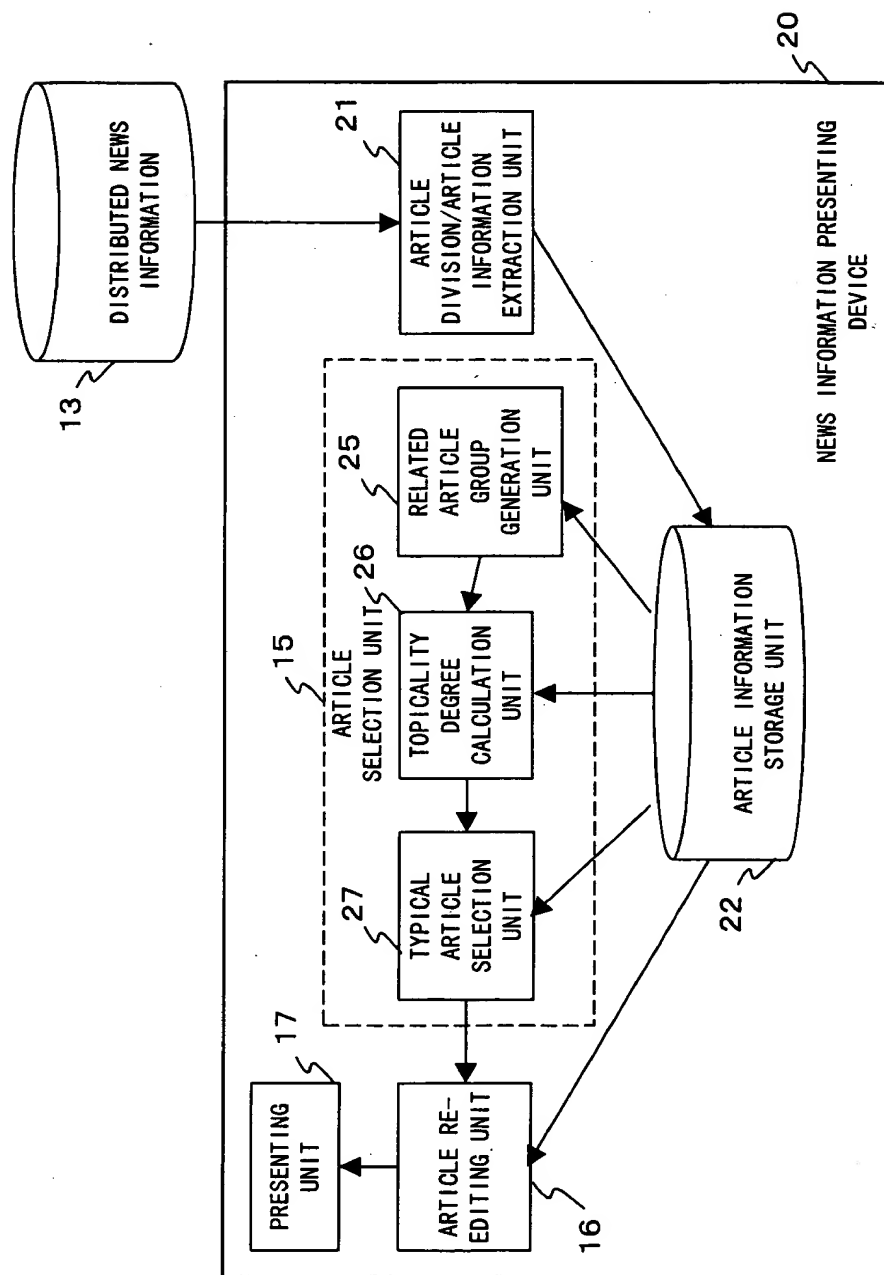


FIG. 2



F I G. 3

```
graph TD; START([START]) --> S1[READS NEWS INFORMATION.]; S1 --> S2[ANALYZES THE DOCUMENT FORMAT OF THE NEWS INFORMATION.]; S2 --> S3[EXTRACTS PORTIONS CORRESPONDING TO ARTICLES.]; S3 --> S4[BREAK DOWN THE PORTIONS INTO INDIVIDUAL ARTICLES.]; S4 --> S5[EXTRACTS THE INFORMATION SOURCE, DISTRIBUTION DATE, TITLE AND TEXT OF EACH ARTICLE.]; S5 --> S6[GENERATES AN ARTICLE BASED ON THE EXTRACTED INFORMATION AND STORES IT.]; S6 --> END([END]);
```

The flowchart illustrates the process of generating an article from news information. It begins with a 'START' terminal, followed by six sequential steps (S1 to S6) represented by rectangular boxes, and ends with an 'END' terminal. The steps are: S1: READS NEWS INFORMATION.; S2: ANALYZES THE DOCUMENT FORMAT OF THE NEWS INFORMATION.; S3: EXTRACTS PORTIONS CORRESPONDING TO ARTICLES.; S4: BREAK DOWN THE PORTIONS INTO INDIVIDUAL ARTICLES.; S5: EXTRACTS THE INFORMATION SOURCE, DISTRIBUTION DATE, TITLE AND TEXT OF EACH ARTICLE.; S6: GENERATES AN ARTICLE BASED ON THE EXTRACTED INFORMATION AND STORES IT.

END

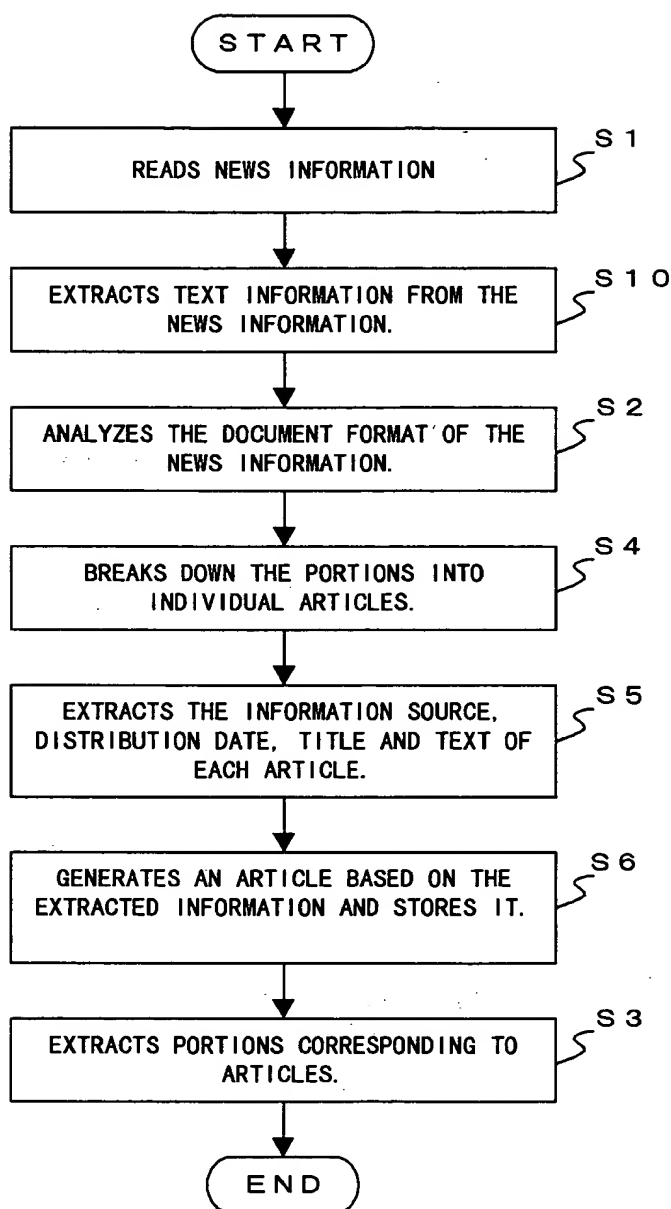
[illegible]

FIG. 5

ARTICLE ID
INFORMATION SOURCE
DISTRIBUTION DATA
TITLE OF ARTICLE
TEXT OF ARTICLE
GRAPHIC DATA
SUPPLEMENTARY INFORMATION (URL, etc.)
LENGTH OF ARTICLE

F I G. 6

○○、A SPACE-AVING DESKTOP COMPUTER WITH 15-INCH MONITOR, WITH A PRICE OF LESS THAN 100,000 YEN.

○○ COMPUTER HAS DISCOUNTED A PART OF SPACE-AVING DESKTOP COMPUTERS FOR BOTH SOHO/INDIVIDUAL USERS, PCXX SERIES ON 29TH OF THIS MONTH. LESS THAN 100,000 YEN FOR A DESKTOP COMPUTER WITH EQUIPPED WITH 433MHz □□ AND 15-INCH CRT MONITOR.

△△、A 17-INCH SXGA LC DISPLAY

△△ COMPUTER IS SCHEDULED TO SHIP "□□ FLAT PANEL MONITOR" ADOPTING AN 17-INCH FULL COLOR TFT LC PANEL CORRESPONDING TO SXGA (1280x1024) EARLY DECEMBER THIS YEAR.

FIG. 7

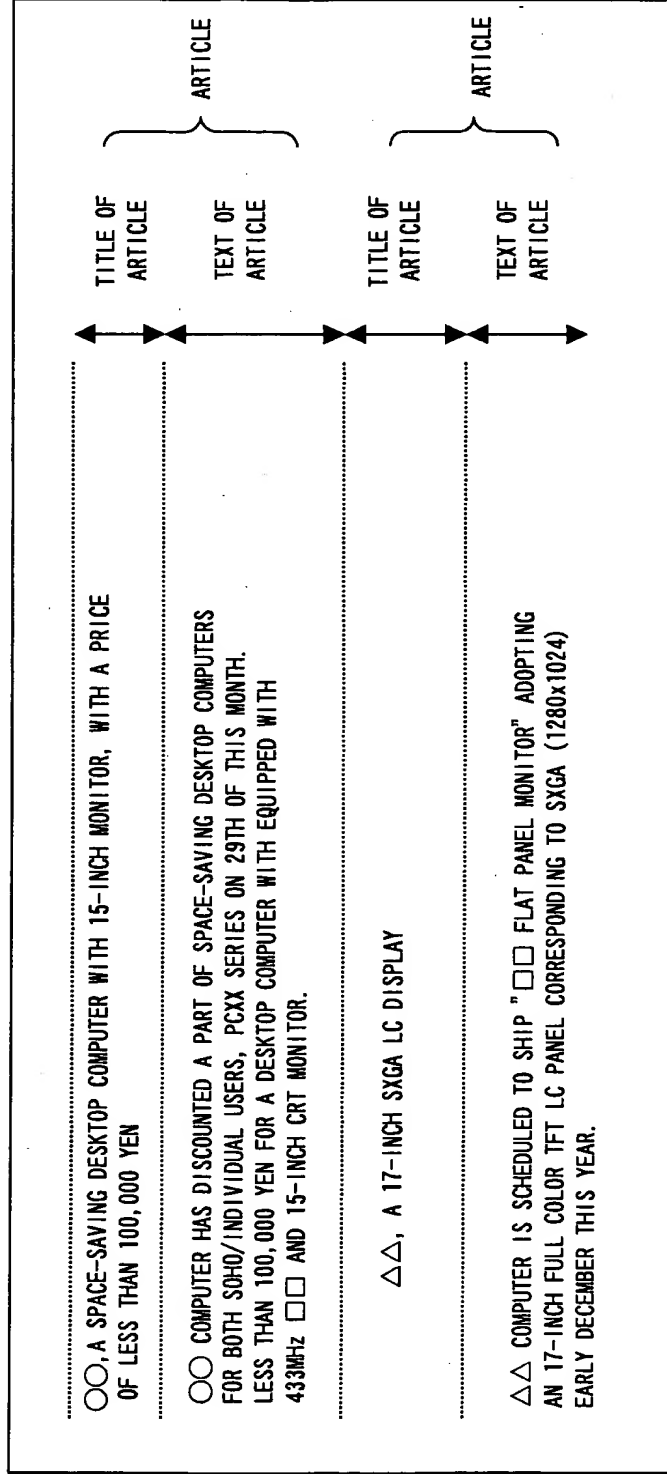


FIG. 8

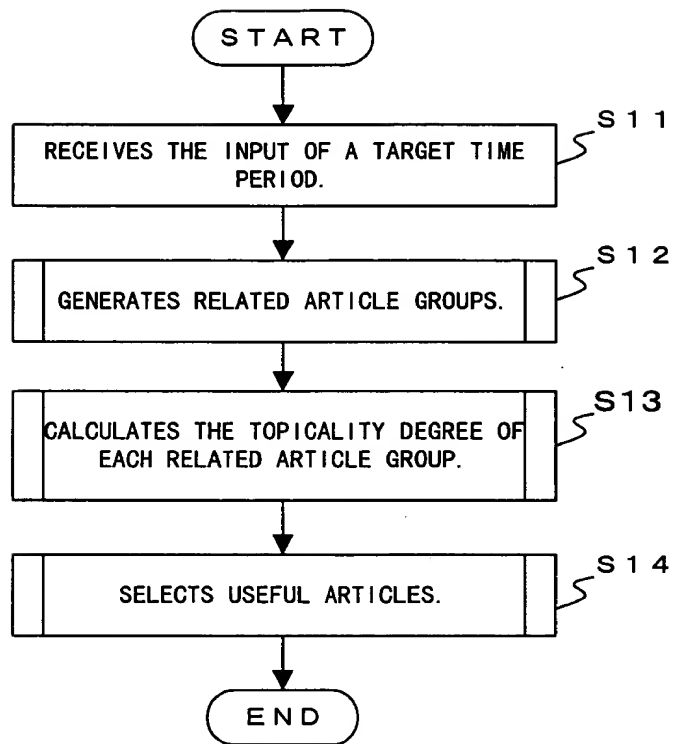
[illegible]

FIG. 12

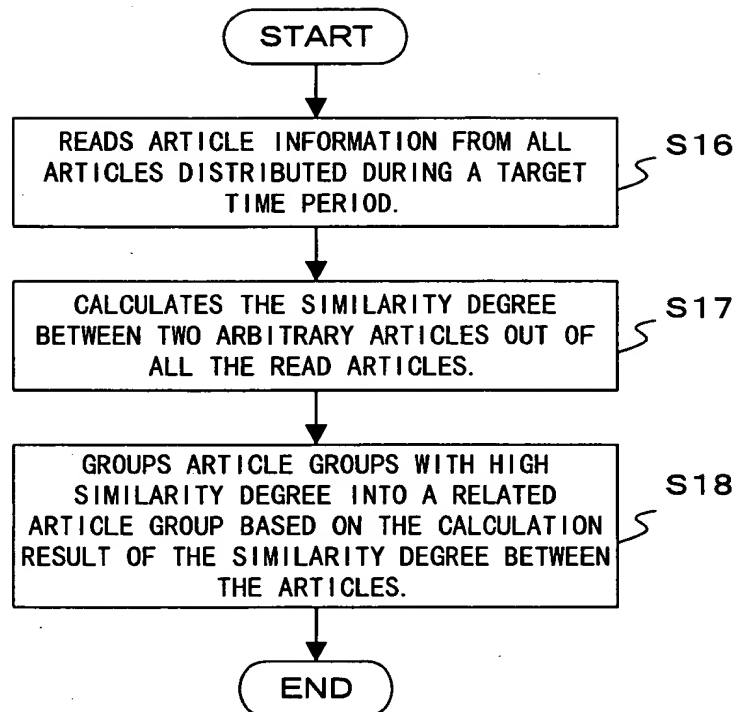
[illegible]

FIG. 13

FIG. 14

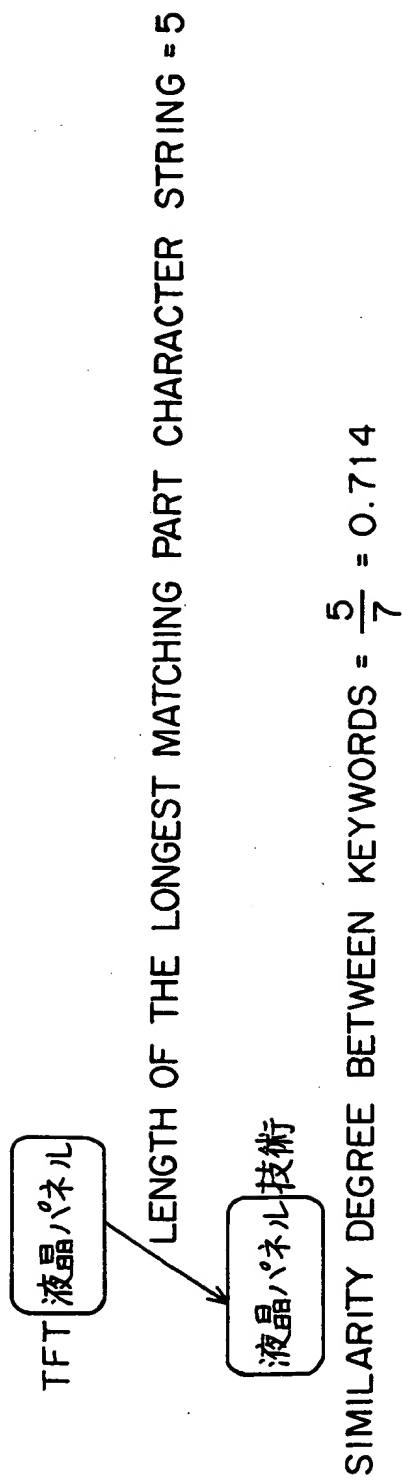


FIG. 15

00227-223160

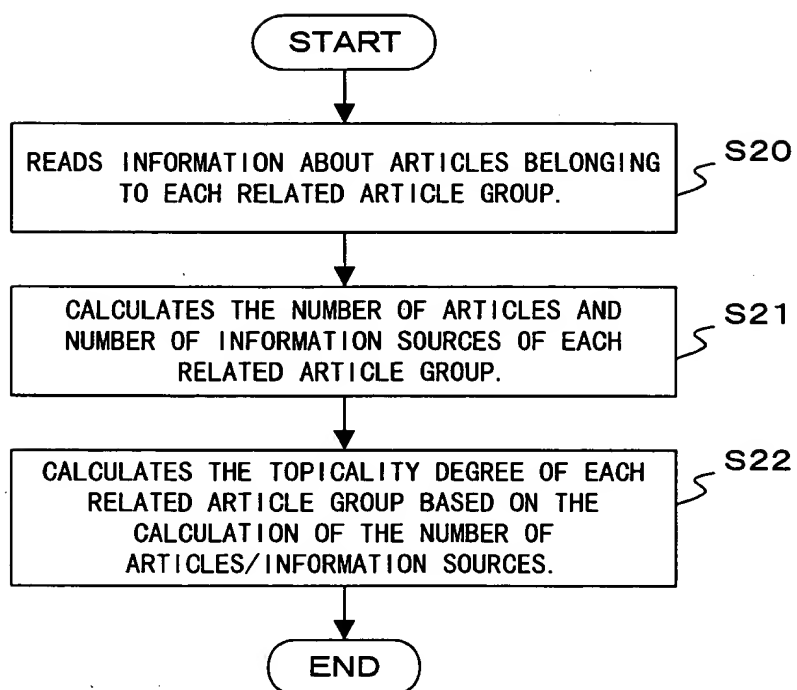


FIG. 16

COPIES OF THE

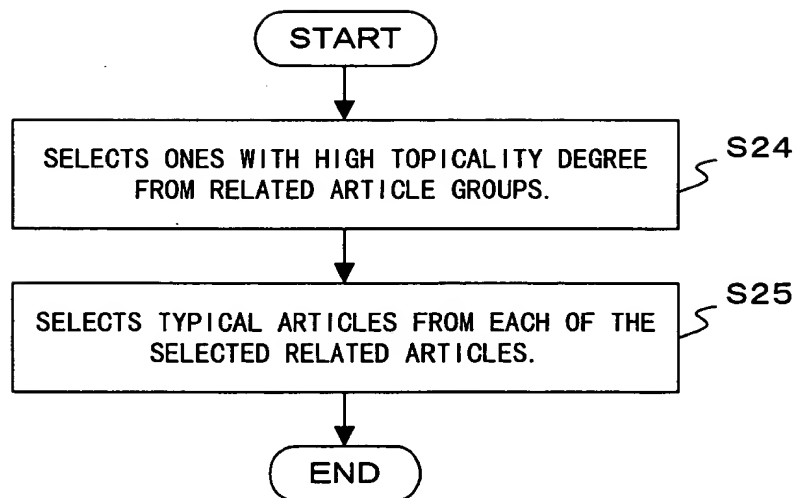


FIG. 17

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in the YEA medium for 24 h and then adjusted to the OD₆₀₀ of 0.1. The *Agrobacterium* strains were then adjusted to the OD₆₀₀ of 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2.0, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3.0, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4.0, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 5.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9, 6.0, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, 9.9, 10.0, 10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 11.0, 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7, 11.8, 11.9, 12.0, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 12.8, 12.9, 13.0, 13.1, 13.2, 13.3, 13.4, 13.5, 13.6, 13.7, 13.8, 13.9, 14.0, 14.1, 14.2, 14.3, 14.4, 14.5, 14.6, 14.7, 14.8, 14.9, 15.0, 15.1, 15.2, 15.3, 15.4, 15.5, 15.6, 15.7, 15.8, 15.9, 16.0, 16.1, 16.2, 16.3, 16.4, 16.5, 16.6, 16.7, 16.8, 16.9, 17.0, 17.1, 17.2, 17.3, 17.4, 17.5, 17.6, 17.7, 17.8, 17.9, 18.0, 18.1, 18.2, 18.3, 18.4, 18.5, 18.6, 18.7, 18.8, 18.9, 19.0, 19.1, 19.2, 19.3, 19.4, 19.5, 19.6, 19.7, 19.8, 19.9, 20.0, 20.1, 20.2, 20.3, 20.4, 20.5, 20.6, 20.7, 20.8, 20.9, 21.0, 21.1, 21.2, 21.3, 21.4, 21.5, 21.6, 21.7, 21.8, 21.9, 22.0, 22.1, 22.2, 22.3, 22.4, 22.5, 22.6, 22.7, 22.8, 22.9, 23.0, 23.1, 23.2, 23.3, 23.4, 23.5, 23.6, 23.7, 23.8, 23.9, 24.0, 24.1, 24.2, 24.3, 24.4, 24.5, 24.6, 24.7, 24.8, 24.9, 25.0, 25.1, 25.2, 25.3, 25.4, 25.5, 25.6, 25.7, 25.8, 25.9, 26.0, 26.1, 26.2, 26.3, 26.4, 26.5, 26.6, 26.7, 26.8, 26.9, 27.0, 27.1, 27.2, 27.3, 27.4, 27.5, 27.6, 27.7, 27.8, 27.9, 28.0, 28.1, 28.2, 28.3, 28.4, 28.5, 28.6, 28.7, 28.8, 28.9, 29.0, 29.1, 29.2, 29.3, 29.4, 29.5, 29.6, 29.7, 29.8, 29.9, 30.0, 30.1, 30.2, 30.3, 30.4, 30.5, 30.6, 30.7, 30.8, 30.9, 31.0, 31.1, 31.2, 31.3, 31.4, 31.5, 31.6, 31.7, 31.8, 31.9, 32.0, 32.1, 32.2, 32.3, 32.4, 32.5, 32.6, 32.7, 32.8, 32.9, 33.0, 33.1, 33.2, 33.3, 33.4, 33.5, 33.6, 33.7, 33.8, 33.9, 34.0, 34.1, 34.2, 34.3, 34.4, 34.5, 34.6, 34.7, 34.8, 34.9, 35.0, 35.1, 35.2, 35.3, 35.4, 35.5, 35.6, 35.7, 35.8, 35.9, 36.0, 36.1, 36.2, 36.3, 36.4, 36.5, 36.6, 36.7, 36.8, 36.9, 37.0, 37.1, 37.2, 37.3, 37.4, 37.5, 37.6, 37.7, 37.8, 37.9, 38.0, 38.1, 38.2, 38.3, 38.4, 38.5, 38.6, 38.7, 38.8, 38.9, 39.0, 39.1, 39.2, 39.3, 39.4, 39.5, 39.6, 39.7, 39.8, 39.9, 40.0, 40.1, 40.2, 40.3, 40.4, 40.5, 40.6, 40.7, 40.8, 40.9, 41.0, 41.1, 41.2, 41.3, 41.4, 41.5, 41.6, 41.7, 41.8, 41.9, 42.0, 42.1, 42.2, 42.3, 42.4, 42.5, 42.6, 42.7, 42.8, 42.9, 43.0, 43.1, 43.2, 43.3, 43.4, 43.5, 43.6, 43.7, 43.8, 43.9, 44.0, 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 44.8, 44.9, 45.0, 45.1, 45.2, 45.3, 45.4, 45.5, 45.6, 45.7, 45.8, 45.9, 46.0, 46.1, 46.2, 46.3, 46.4, 46.5, 46.6, 46.7, 46.8, 46.9, 47.0, 47.1, 47.2, 47.3, 47.4, 47.5, 47.6, 47.7, 47.8, 47.9, 48.0, 48.1, 48.2, 48.3, 48.4, 48.5, 48.6, 48.7, 48.8, 48.9, 49.0, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, 49.9, 50.0, 50.1, 50.2, 50.3, 50.4, 50.5, 50.6, 50.7, 50.8, 50.9, 51.0, 51.1, 51.2, 51.3, 51.4, 51.5, 51.6, 51.7, 51.8, 51.9, 52.0, 52.1, 52.2, 52.3, 52.4, 52.5, 52.6, 52.7, 52.8, 52.9, 53.0, 53.1, 53.2, 53.3, 53.4, 53.5, 53.6, 53.7, 53.8, 53.9, 54.0, 54.1, 54.2, 54.3, 54.4, 54.5, 54.6, 54.7, 54.8, 54.9, 55.0, 55.1, 55.2, 55.3, 55.4, 55.5, 55.6, 55.7, 55.8, 55.9, 56.0, 56.1, 56.2, 56.3, 56.4, 56.5, 56.6, 56.7, 56.8, 56.9, 57.0, 57.1, 57.2, 57.3, 57.4, 57.5, 57.6, 57.7, 57.8, 57.9, 58.0, 58.1, 58.2, 58.3, 58.4, 58.5, 58.6, 58.7, 58.8, 58.9, 59.0, 59.1, 59.2, 59.3, 59.4, 59.5, 59.6, 59.7, 59.8, 59.9, 60.0, 60.1, 60.2, 60.3, 60.4, 60.5, 60.6, 60.7, 60.8, 60.9, 61.0, 61.1, 61.2, 61.3, 61.4, 61.5, 61.6, 61.7, 61.8, 61.9, 62.0, 62.1, 62.2, 62.3, 62.4, 62.5, 62.6, 62.7, 62.8, 62.9, 63.0, 63.1, 63.2, 63.3, 63.4, 63.5, 63.6, 63.7, 63.8, 63.9, 64.0, 64.1, 64.2, 64.3, 64.4, 64.5, 64.6, 64.7, 64.8, 64.9, 65.0, 65.1, 65.2, 65.3, 65.4, 65.5, 65.6, 65.7, 65.8, 65.9, 66.0, 66.1, 66.2, 66.3, 66.4, 66.5, 66.6, 66.7, 66.8, 66.9, 67.0, 67.1, 67.2, 67.3, 67.4, 67.5, 67.6, 67.7, 67.8, 67.9, 68.0,

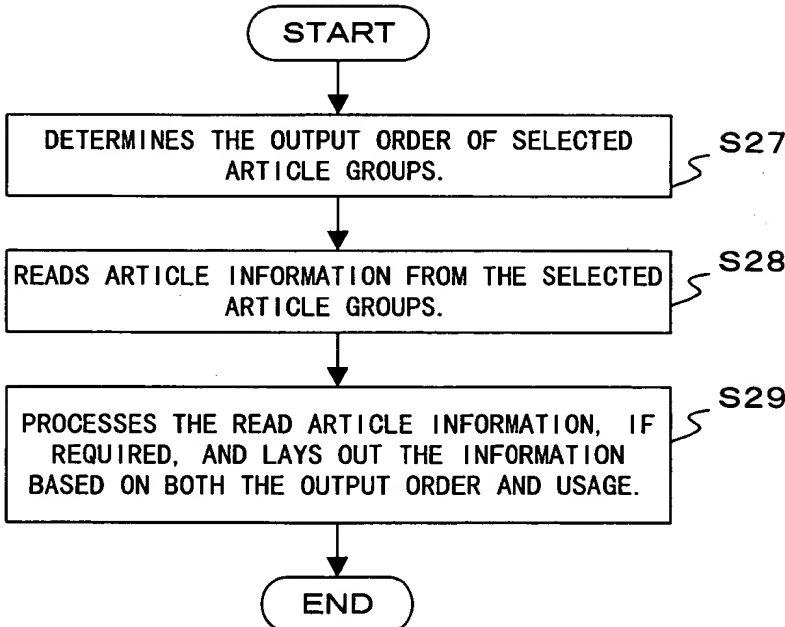


FIG. 18

Figure 1

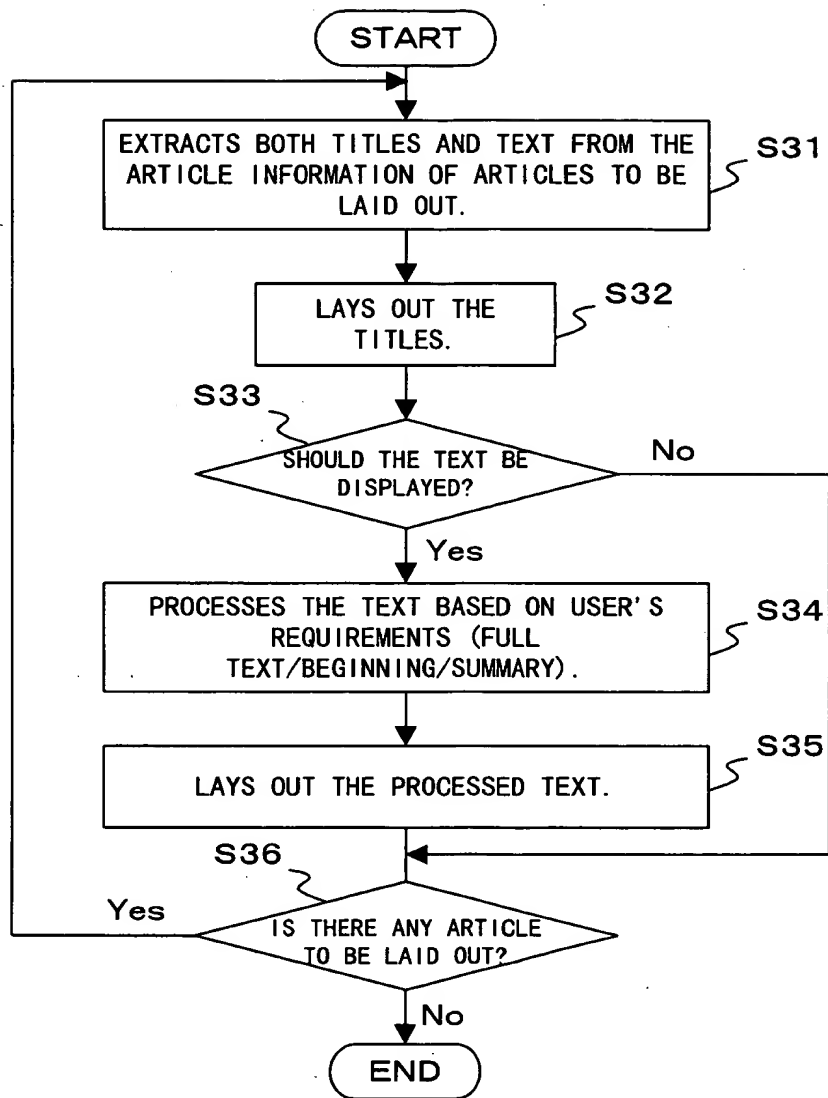


FIG. 19

RECOMMENDED TOPIC PRESENTING SETTING

• DISTRIBUTION PERIOD OF TARGET ORIGINAL ARTICLE

MONTH DAY ~ MONTH DAY

• NUMBER OF DISPLAYED TOPICS

TOPICS

• SELECTION FROM TYPICAL ARTICLE • DISPLAY METHOD OF ARTICLES

☒ IN DESCENDING ORDER OF DATE ☐ ALSO DISPLAYS RELATED ARTICLES

☐ IN ASCENDING ORDER OF DATE ☒ DISPLAYS THE TEXT OF ARTICLES

☐ IN DESCENDING ORDER OF LENGTH ☐ FULL TEXT

☐ IN ASCENDING ORDER OF LENGTH ☐ BEGINNING

PER "TOPIC" ARTICLES ☒ SUMMARY

FIG. 20

AN EXHIBITION ON INFORMATION/TELECOMMUNICATIONS EQUIPMENT AND SERVICES "COM JAPAN 1999" HAS BEEN OPENED AT "TOKYO BIG SITE" IN ARIAKE, TOKYO ON 2ND OF THIS MONTH FOR THE NEXT FOUR DAYS, I.E., UNTIL 5TH OF THIS MONTH. 301 ENTERPRISES/ASSOCIATIONS, INCLUDING 9 FOREIGN COUNTRIES HAVE PARTICIPATED IN THE EXHIBITION, WHICH IT IS ALREADY DECIDED THAT IS UNITED WITH AN EXHIBITION ON ELECTRONIC EQUIPMENT "ELECTRONICS SHOW" NEXT YEAR AND AFTER. APPROXIMATELY 180,000 VIEWERS ARE ANTICIPATED.

RELATED ARTICLES

- A COMPREHENSIVE INFORMATION/TELECOMMUNICATIONS EXHIBITION "COM JAPAN 1999" OPENED (X X NEWSPAPER. . 03/11/1999)
- A COMPREHENSIVE INFORMATION/TELECOMMUNICATIONS EXHIBITION "COM JAPAN 1999" HAS BEEN OPENED AT TOKYO BIG SITE.
- THE SPONSORS ARE THREE ASSOCIATIONS: INSTITUTE OF TELECOMMUNICATIONS MACHINERY INDUSTRY, PROMOTION ASSOCIATION FOR JAPAN ELECTRONICS INDUSTRY AND JAPAN PERSONAL COMPUTER SOFTWARE ASSOCIATION.
- COM JAPAN 1999 OPENED (△△ NEWSPAPER, 03/11/1999)
- A COMPREHENSIVE INFORMATION/TELECOMMUNICATIONS-RELATED EVENT "COM JAPAN 1999" HAS BEEN OPENED AT ARIAKE TOKYO INTERNATIONAL EXHIBITION HALL (TOKYO BIG SITE) ON 2ND OF THIS MONTH UNDER THE SLOGAN: "BUSINESS AND LIFE IN THE 21ST CENTURY CREATED BY INFORMATION/TELECOMMUNICATIONS".

FIG. 22

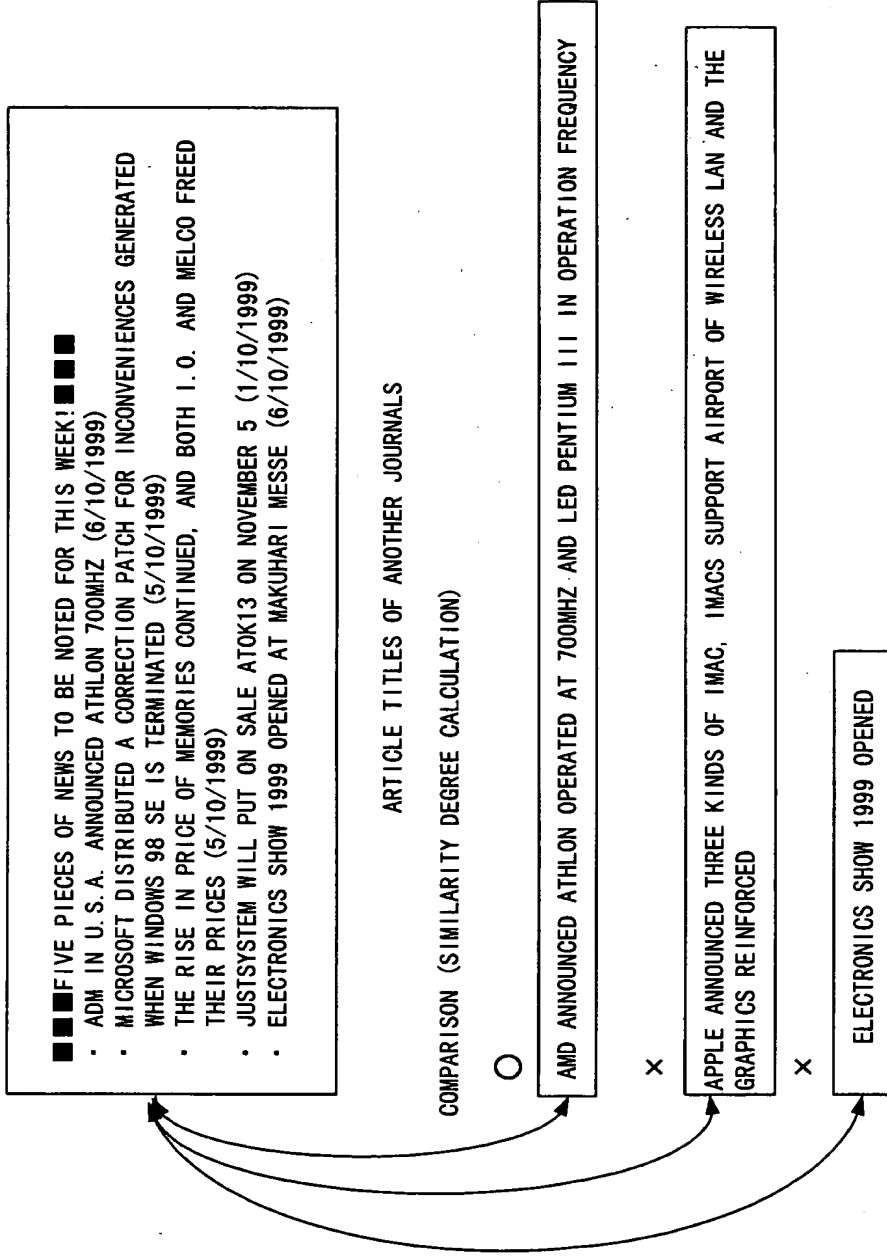
RECOMMENDED LIST OF ARTICLES	RELATED ARTICLES
<p>• <u>COM JAPAN 1999 OPENED AT TOKYO BIG SITE</u> (<u>OO</u>NEWSPAPER, 02/11/1999)</p> <p>AN EXHIBITION FOR INFORMATION/TELECOMMUNICATIONS EQUIPMENT AND SERVICES "COM JAPAN 1999" HAS BEEN OPENED AT "TOKYO BIG SITE" IN ARIAKE, TOKYO ON 2ND OF THIS MONTH FOR THE NEXT FOUR DAYS, I.E., UNTIL 5TH.</p> <p>• <u>△△ MANAGING DIRECTOR HAS BEEN PROMOTED TO NEW OO PRESIDENT, AND MR. x x HAS BEEN TRANSFERRED TO AP PRESIDENT</u>(<u>OO</u> NEWSPAPER, 02/11/1999)</p> <p><u>OO</u> HAS ANNOUNCED ON 2ND OF THIS MONTH THAT <u>□□</u> PRESIDENT HAS BEEN TRANSFERRED TO REPRESENTATIVE CHAIRMAN UNDER DATE OF DECEMBER 1 AND <u>△△</u> MANAGING DIRECTOR HAS BEEN PROMOTED TO PRESIDENT.</p>	<p>• <u>A COMPREHENSIVE INFORMATION/TELECOMMUNICATIONS EXHIBITION "COM JAPAN 1999" OPENED</u> (<u>x x</u> NEWSPAPER, 03/11/1999)</p> <p>• <u>COM JAPAN 1999 OPENED</u>(<u>△△</u>NEWSPAPER, 03/11/1999)</p> <p>• <u>OO TRANSFERRED MR. x x OF OO JAPAN TO THE AREA MANAGER OF ASIA/PACIFIC AREAS</u> (<u>x x</u> NEWSPAPER, 04/11/1999)</p> <p>• <u>□□ CHAIRMAN PROMOTED MR. x x TO THE AP PRESIDENT OF OO-THE FIRST ASIAN</u> (<u>□□</u>NEWSPAPER, 03/11/1999)</p>

FIG. 24

[illegible]

- ARTICLE TO BE NOTED FOR (NOVEMBER 2)
- COM JAPAN 1999 OPENED AT TOKYO BIG SITE
- OTOSHI MANAGING DIRECTOR HAS BEEN PROMOTED TO THE NEW PRESIDENT OF IBM JAPAN AND MR. HOJO PROMOTED TO AP PRESIDENT
- GATEWAY JAPAN PUT ON SALE A PC INTEGRATED WITH A MONITOR, WITH A PRICE OF LESS THAN 90,000 YEN
- LASER FIVE REINFORCED LINUX CLUSTER BUSINESS
- FIJITSU PUT ON SALE A PEN-INPUT PC FOR BUSINESS UES, WITH WINDOWS CE INSTALLED

F I G. 25



TITLES OF TYPICAL ARTICLES FOR EACH KEY RELATED ARTICLE GROUP

FIG. 26

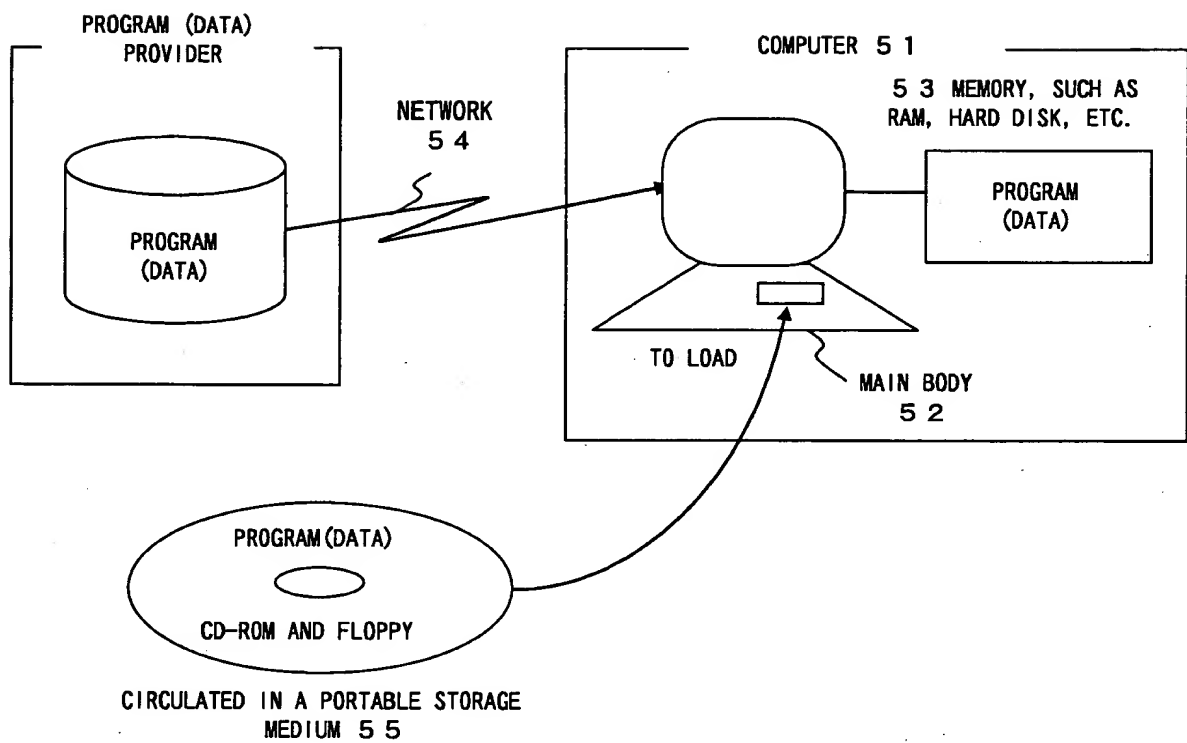


FIG. 27